

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (Currently Amended): A modified polyolefin resin produced by subjecting a polyolefin resin (A) to a graft modification by vinyl monomer(s) (B) comprising 4-t-butylcyclohexyl (meth)acrylate ~~at least one (meth)acrylate monomer (b) in which an acryloyloxy group or methacryloyloxy group is bonded to a secondary carbon atom or tertiary carbon atom;~~

wherein the vinyl monomer(s) (B) comprises no unsaturated carboxylic acid or its anhydride.

Claim 2 (Original): A modified polyolefin resin composition comprising the modified polyolefin resin defined in claim 1.

Claim 3 (Canceled):

Claim 4 (Canceled):

Claim 5 (Original): The polyolefin resin composition according to claim 2, wherein the vinyl monomer(s) (B) further comprises a monomer having a hydroxyl group in the molecule.

Claim 6 (Previously Presented): A primer for painting, comprising: the modified polyolefin resin composition defined in claim 2.

Claim 7 (Previously Presented): An adhesive, comprising: the modified polyolefin resin composition defined in claim 2.

Claim 8 (Previously Presented): A printing ink, comprising: the modified polyolefin resin composition defined in claim 2.

Claim 9 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is an olefin homopolymer or olefin copolymer; a copolymer of a major amount of olefin monomer and a minor amount of a vinyl monomer; a copolymer of an olefin monomer with a diene monomer; or a resin comprising, as a main component, such polymer or copolymer.

Claim 10 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is low crystalline or noncrystalline polyolefin.

Claim 11 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) does not comprises a chlorine-containing polyolefin resin.

Claim 12 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the polyolefin resin (A) is selected from the group consisting of low-density polyethylene, ultra-low-density polyethylene, super ultra-low-density polyethylene, linear low-density polyethylene, high-density polyethylene, ultra-high-molecular-weight polyethylene, polypropylene, ethylene-propylene copolymer, polymethyl pentene, propylene-1-butene random copolymer, propylene-ethylene-1-butene random copolymer, copolymer prepared from propylene and an α -olefin having 5 to 12 carbon atoms, ethylene-nonconjugated diene

copolymer, propylene-nonconjugated diene copolymer, ethylene-propylene-nonconjugated diene copolymer, polybutene, ethylene-vinyl acetate copolymer, ethylene-vinyltrimethoxysilane copolymer, ethylene-methyl acrylate copolymer, ethylene-ethyl acrylate copolymer, ethylene-methyl methacrylate copolymer, styrene-butadiene block copolymer, hydrogenated styrene-butadiene block copolymer and mixtures thereof.

Claims 13-14 (Canceled):

Claim 15 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the vinyl monomer(s) (B) further comprises a monomer having a hydroxyl group in the molecule.

Claim 16 (Previously Presented): The modified polyolefin resin of Claim 15, wherein the monomer having a hydroxyl group in the molecule is selected from the group consisting of (meth)acrylates having a hydroxyl group and mixtures thereof.

Claim 17 (Previously Presented): The modified polyolefin resin of Claim 15, wherein the monomer having a hydroxyl group in the molecule is selected from the group consisting of 2-hydroxyethyl (meth)acrylate, 2-hydroxypropyl (meth)acrylate, 3-hydroxypropyl (meth)acrylate, 4-hydroxybutyl (meth)acrylate, and mixtures thereof.

Claim 18 (Previously Presented): The modified polyolefin resin of Claim 1, wherein the vinyl monomer(s) (B) contain no chlorine atom in the molecule(s).

Claim 19 (Previously Presented): The modified polyolefin resin of Claim 1, wherein an amount of the (meth)acrylate monomer (b) is 5 to 99.5% by mass in 100% by mass of the vinyl monomer(s) (B).

Claim 20 (Previously Presented): The modified polyolefin resin of Claim 1, having a weight average molecular weight of 10,000 to 300,000.

Claim 21 (Previously Presented): The modified polyolefin resin of Claim 1, having excellent adhesion properties to a substrate comprising a resin having a low- or non-polarity and exhibiting hardly adherable properties.